

Card
Printers

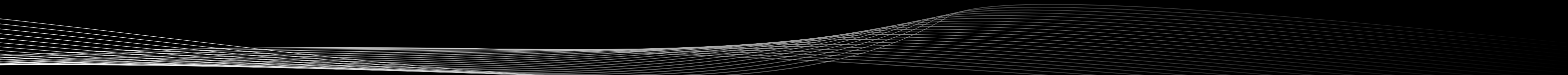
Product Launch DASCOM DC-4100



DASCOM[®]
SOLUTIONS FOR BUSINESS PRINTING

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1. Highlights at a glance

DC-4100: Professional card printing made simple

Designed for businesses, schools, healthcare organisations, EMS, government agencies and other organisations that require professional-quality ID card, badge and credential printing without unnecessary complexity, the DC-4100 combines fast print speeds, flexible connectivity, enhanced security options and intuitive operation in a compact footprint.

The DC-4100 produces up to 200 full-colour, single-sided cards per hour while delivering crisp printing for professional identification cards, employee badges, access credentials, membership cards and other card applications. For dual-sided printing, the DC-4100 produces up to 100 cards per hour, providing users with the flexibility to select the configuration that best meets their requirements. 100-card input and output trays make batch printing simple and efficient, while the printer's large 4.3-inch front LCD display provides an intuitive user interface designed to simplify daily operation and consumable management.

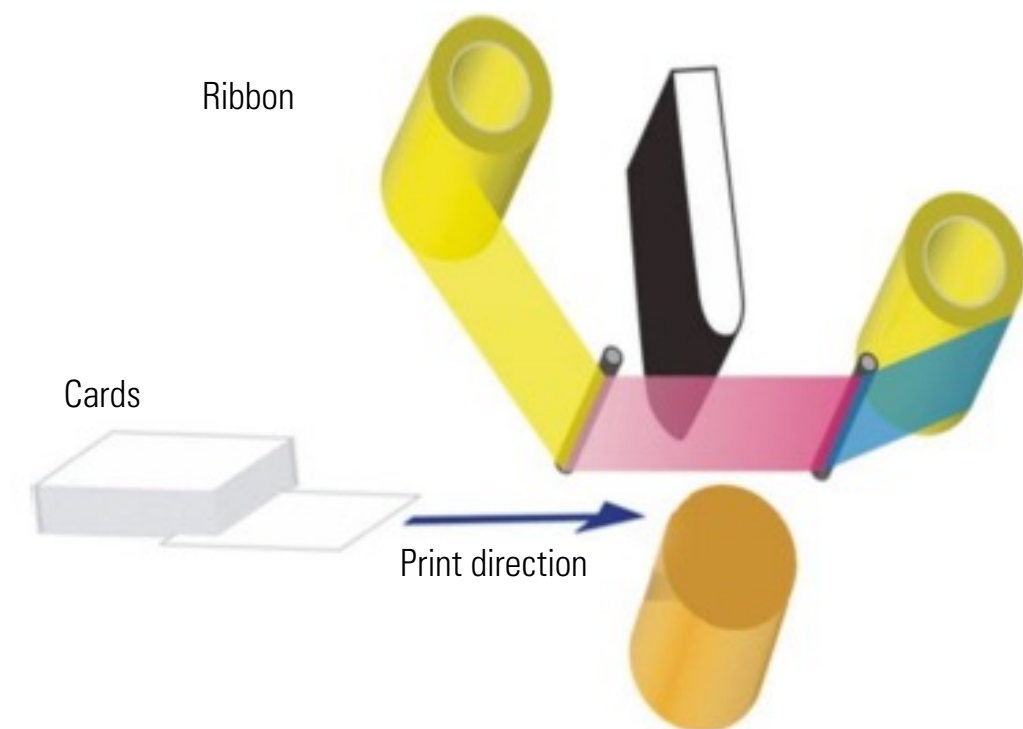
Connectivity is equally flexible, with USB and Ethernet standard and optional WiFi & Bluetooth connectivity. The DC-4100 is also encoder-ready, allowing organisations to incorporate additional credential technologies as their security and identification requirements evolve. Due to an integrated system board the printer can encode not only over USB connection but also via Ethernet or WiFi.

The DC-4100 is backed by a three-year warranty, further reinforcing DASCOT's commitment to product quality, reliability and long-term customer value.

2. Positioning

Direct-to-Card Printing (Edge-to-Edge)

With the **direct-to-card method**, the print head is in direct contact with the ribbon and the card. The layer of ink is removed by heating the ribbon and transferred directly to the card with pressure. Thus, only the ribbon needs to be changed.

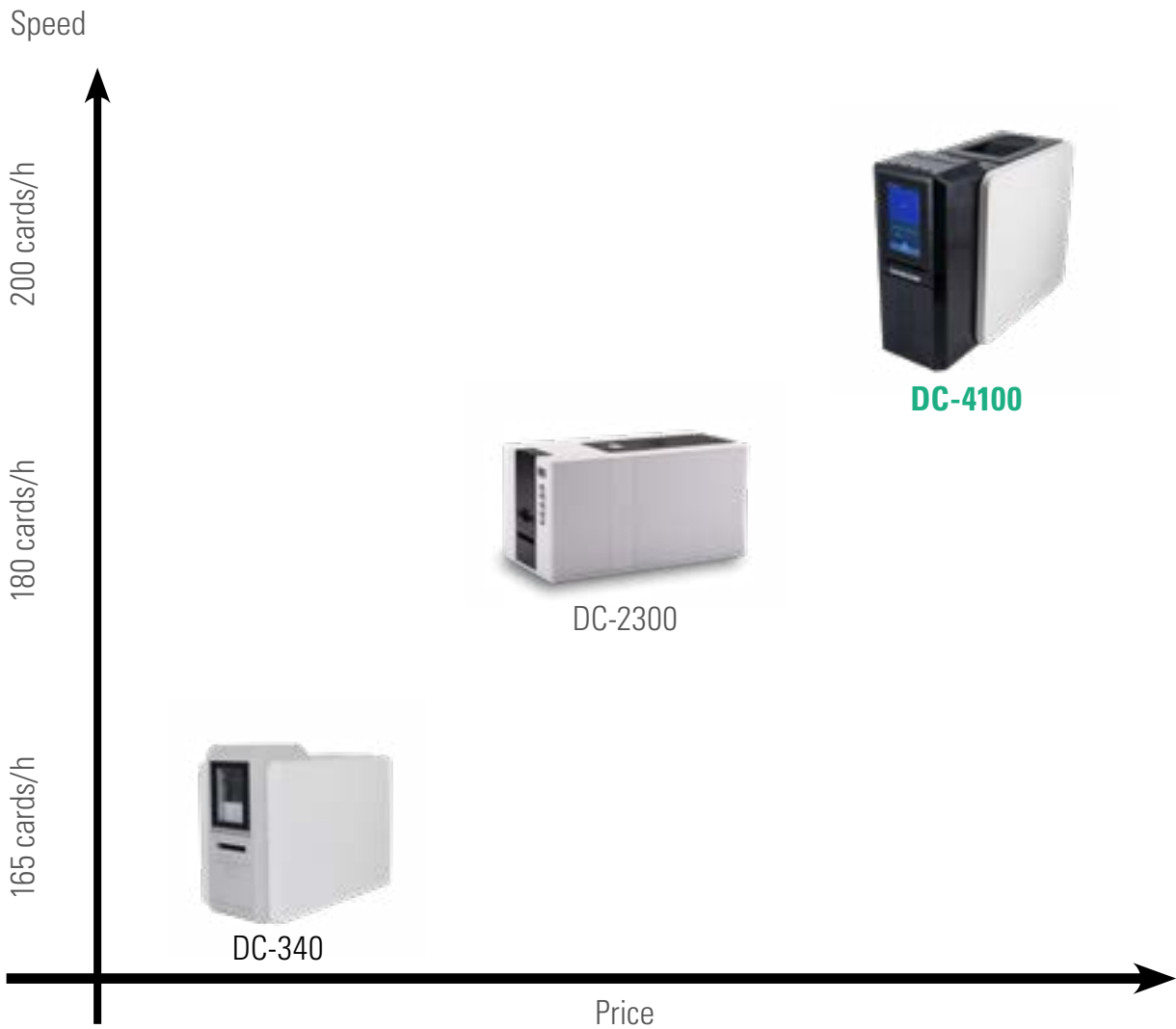


In the direct-to-card segment, the DASCOT DC-340 serves as an entry-level solution, while the DASCOT DC-2300 offers professional-grade features for the mid-range segment.

The DC-4100 completes our direct-to-card product line at the high end, offering unique features that set it apart. In addition to supporting the integration of encoders like ion the DC-2300, the printer features an integrated system board that enables encoding directly via the Ethernet interface—eliminating the need for extra hardware components. Furthermore, the DC-4100 can be equipped with optional WiFi and Bluetooth interfaces to facilitate wireless communication.

3. Target groups

Direct-to-Card



Market

Application

Industry & Business

Company ID cards
Employee ID cards
Visitor badges
Access control & time recording

Schools & Universities

Student ID cards
Library cards
Copy cards

Health Care

Patient cards
Visitor badges

Sport & Leisure

Membership cards
Season tickets
Player passes

Retail

Loyalty cards
Voucher cards

Event management

Entrance tickets
Participant ID cards
Accreditations

4. Features - Functions - Benefits

Ready for the show!
The “Performer” will deliver.

Simple work-flows

Up to 100 cards can be loaded into the front tray, where they are protected from dust and dirt. The same number can be placed in the integrated output tray, and a clever mechanism ensures clean card removal. A manual feed from the front is available for single cards.

Modern design

The DC-4100 makes a great impression in any workspace. Its elegant design follows the principle of “form follows function” and requires minimal desk space. Its large colour display always shows the printer’s current status.

Versatile connectivity

In the basic version, the printer features both a USB port and an Ethernet port, making it easy to integrate with various systems (Windows, macOS, Linux). A Bluetooth/WiFi board is available as an option for wireless communication. The integrated system board allows encoding via Ethernet & WiFi.

Consumables

Depending on your requirements, you can choose between different types of ribbons. These are integrated into a cartridge and can be easily replaced in just a few steps.

Versatile Cards

The DC-4100 can process a wide variety of cards – from PVC and ABS to PET/PET-G. With dimensions of 85.6 x 53.98 mm, it can process common ISO ID-1/CR-80 formats.

Card Creation

With the free basic version of the Card Editor (available from our [website](#)), a variety of cards can be easily created and customised.



Security solutions

If you choose the coloured YMCKO ribbon, you have the option of creating your own custom watermarks and printing them on the card.

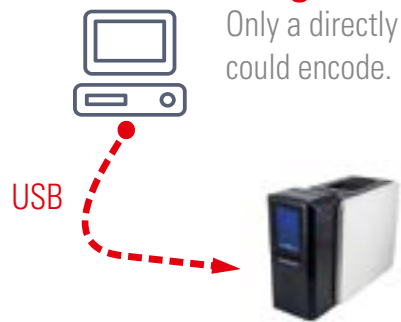
5. Encoding via Ethernet

PREVIOUS SOLUTION

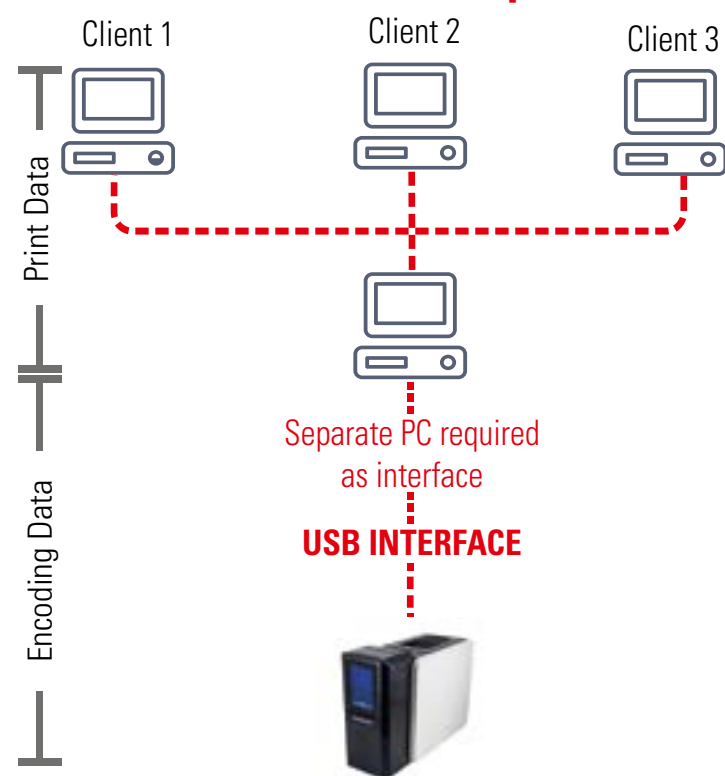
USB INTERFACE

Single-user solution

Only a directly connected PC could encode.

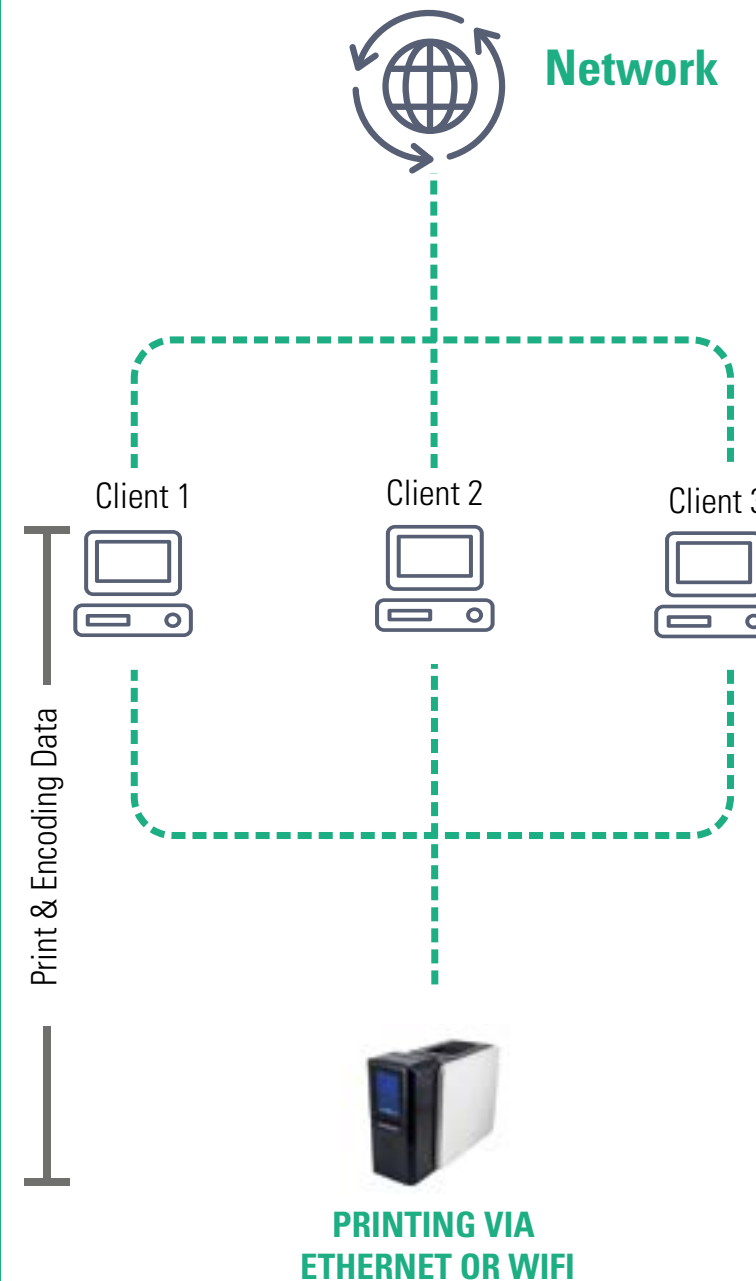


Network with multiple clients



NEW SOLUTION

ETHERNET & WIFI



Advantages of Encoding via Ethernet

- » **Direct communication** via the network
- » **Multiple clients** can send print and encoding jobs
- » **No additional PC required**
- » **Rapid integration** into existing networks
- » **Reduced hardware and lower maintenance costs**
- » High operational **reliability**
- » **Flexible workstation selection**
- » **Future-proof** network technology

6. The competition

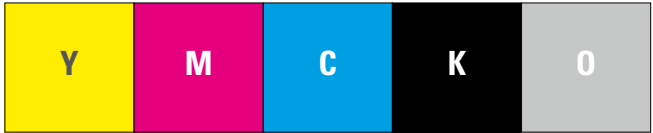
								
	DASCOM DC-4100	ZEBRA ZC 300	ZEBRA ZC 350	EVOLIS Primacy 2	DATACARD Sigma DS3	MAGICARD Magicard 600	IDP Smart 51	MATICA MC 310
Print Head								
Resolution	300 x 600 dpi	300 x 300 dpi	300 x 300 dpi	300 x 600 dpi	300 x 600 dpi	300 x 600 dpi	300 x 600 dpi	300 x 300 dpi
Print Speed								
YMCKO	200 Cards/h	200 Cards/h	225 Cards/h	235 Cards/h	250 Cards/h	190 Cards/h	210 Cards/h	180 Cards/h
<i>in comparison</i>	100 %	100 %	113 %	118 %	125 %	95 %	105 %	90 %
Monochrome	850 Cards/h	900 Cards/h	1.000 Cards/h	1.000 Cards/h	1.100 Cards/h	750 Cards/h	720 Cards/h.	1.000 Cards/h
Technology								
Display	4,3" LCD	3,5" Touch	3,5" Touch	Touch	LED 2 lines	LED	LED 2 lines	LED 2 lines
Interfaces	USB & Ethernet WiFi & BT (Opt)	USB & Ethernet WiFi (Opt.)	USB & Ethernet WiFi (Opt.)	USB & Ethernet WiFi (Opt.)	USB & Ethernet & WiFi	USB & Ethernet WiFi (Opt)	USB & Ethernet WiFi (Opt)	USB & Ethernet WiFi (Opt)
Cards								
Thickness	0,25 - 1,25 mm	0,25 - 1,52 mm	0,25 - 1,52 mm	0,23 - 1,25 mm	0,25 - 1,02 mm	0,51 - 1,02 mm	0,3 - 1,0 mm	0,25 - 1,25 mm
Input	100	100	100	100	125	100	100	100
Output	100	100	100	100	25	70	40	80
Consumables								
Ribbon YMCKO	500 Images	400 Images	400 Images	300 Images	500 Images	300 Images	250 Images	250 Images
Ribbon K	2.000 Images	2.000 Images	2.000 Images	2.000 Images	1.000 Images	1.000 Images	1.200 Images	2.000 Images
Weight & Dimensions								
Dimensions (W x D x H)	150 x 365 x 286 mm	157 x 468 x 258 mm	157 x 468 x 258 mm	205 x 382 x 247 mm	221 x 442 x 229 mm	211 x 475 x 248 mm	210 x 498 x 165 mm	202 x 255 x 405 mm
<i>in comparison</i>	100 %	121 %	121 %	124 %	143 %	159 %	111 %	134 %
Weight	4.8 kg	4.4 kg	4.4 kg	4.2 kg	5.5 kg	4.7 kg	5.2 kg	10 kg
Encoder								
Contact	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Contactsless	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Magnetic Stripe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encoding via Ethernet & WiFi	Yes	No	No	No	No	No	No	No
Driver & Software								
Driver	Win / Mac / Linux	Win / Mac / Linux	Win / Mac / Linux	Win / Mac / Linux	Win	Win / Mac / Linux	Win / Mac / Linux	Win / Mac
Software	Card Editor	Card Studio	Card Studio	CardPresso XXS	Trusted Platfom Module			Card Exchange
Warranty								
	3 Years	3 Years	3 Years	3 Years	36 Months	3 Years	n.a.	4 Years

7. Specifications

DASCOM DC-4100

Print Method	Direct thermal technology
Resolution	up to 300 x 1200 dpi
Print Capability	Single Sided, Dual Sided
Print Speed	Single Sided: up to 200 cards/hour (YMCKO) or up to 850 cards/hour (Monochrome K) Dual Sided: up to 100 cards/hour (YMCKOK)
Interfaces Standard	USB (2.0), Ethernet (10/100) and USB Host
Interfaces Optional	Bluetooth and WiFi
Control Panel	Colour LCD panel on the front
Card Thickness	0,25 - 1,25 mm (10 - 50 mil)
Card Loading	Auto card feeder for 100 cards (0,76 mm thickness) from front Manual feed: single card from rear
Card Output	100 cards (front side)
Card Types	PVC, PET, PET-G, ABS, Paper, Teslin® 85,6 x 53,98 mm (ISO ID-1/CR-80 size)
Consumables	Ribbon YMCKO (500 Images), Ribbon YMCKOK (400 Images), Ribbon YMCKOO (400 Images), Ribbon K eco (2.000 Images), Ribbon K Paper (2.000 Images), Ribbon White (2.000 Images)
Cleaning Set	Cleaning Card and Cleaning Roller (built-in)
Physical Weight	< 6 kg
Physical Size	150 x 365 x 286 mm (W x D x H)
Noise	52 dB(A) while printing 35 dB(A) in standby
Power Voltage	Auto-ranging, 100 - 240 V AC - 50/60 Hz
Driver	Windows 8/8.1/10/11 and Server 2012/2016/2019/2022 macOS Linux
Encoder	Prepared for encoder upgrade with SDK Single-line encoding (compliant with data protection regulations) via USB, Ethernet or optional WiFi/Bluetooth.

8. Ribbons



YMCKO | 500 Images (Part-No. 75376 001)



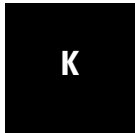
YMCKOK | 400 Images (Part-No. 75376 028)



YMCKOO | 400 Images (Part-No. 75376 031)



K Eco | 2.000 Images (Part-No. 75376 034)



K Paper | 2.000 Images (Part-No. 75376 037)



WHITE Food Safe | 2.000 Images (Part-No. 75376 043)

9. Pricing

Part-No.	Description	List Price
Printer		
28.BCC.6643	DASCOM DC-4100 (Single Sided)	1.495,00 €
28.BCC.6644	DASCOM DC-4100 (Dual Sided)	1.795,00 €
Options		
75376 024	Upgrade Tag Single Sided -> Dual Sided	310,00 €
75371 056	WiFi & BT Module	159,00 €
23046 027	Card Editor Professional Version	310,50 €
Consumables		
75376 001	Ribbon YMCKO (500 Images)	103,50 €
75376 028	Ribbon YMCKOK (400 Images)	128,00 €
75376 031	Ribbon YMCKOO (400 Images)	146,25 €
75376 034	Ribbon K Eco (2.000 Images)	25,50 €
75376 037	Ribbon K Paper (2.000 Images)	28,50 €
75376 043	Ribbon White Food Safe (2.000 Images)	52,90 €

Notes

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